

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/632,186

Filing Date:

July 30, 2003

Confirmation No.:

3961

First Named Inventor:

Yi Ding

Assignee:

ProMOS Technologies, Inc.

Examiner:

Nguyen, Thanh T.

Art Unit:

2813

Attorney Docket No.:

M-15241 US

San Jose, California October 12, 2004

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(C)

## Dear Sir:

Pursuant to 37 CFR § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form PTO-1449 are called to the attention of the Examiner for the above patent application. Copies of these documents are enclosed except for United States Patent and United States Published Patent Applications.

Citation of these documents shall not be construed as:

- 1. an admission that the documents are necessarily prior art with respect to the instant invention;
- 2. a representation that a search has been made, other than as described above; or
- 3. an admission that the information cited herein is, or is considered to be material to patentability as defined in § 1.56(b).

Please charge the fee of \$180.00 as set forth in 37 CFR 1.17(p) to deposit account 50-2257. Please charge any amount underpaid, or credit the amounts overpaid, to the same deposit account. This paper is being submitted in duplicate.

<b>EXPRESS</b>	MAIL	LABEL	NO.:

EV 513 137 893 US

Respectfully submitted,

Michael Shenker Patent Attorney

Reg. No. 34,250

Telephone: (408) 392-9250, Ext. 212

Michael Showker

Law Offices Of MacPherson Kwok Chen & Heid LLP 1762 Technology Drive, Suite 226

U.S. Department of Commerce, Patent and Trademark Office			Atty Docket No.			Serial No.		
				M-15241 US 10/632,186				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s)				
(Use several sheets if necessary)				Yi Ding				
	<u> </u>				Filing Date Group			
OCT 12 2	004 E				July 30,	, 2003		2813
*Examination	J. Pat		U.S. Pa	atent Documents		•		
		Document	<b>.</b>			.,	0.1.1	Filing Date
Initial	AA	Number 6,265,739	Date Jul. 2001	Name Yaegashi et al.		Class	Subclass	If Appropriate
	AB	6,747,310	Jun. 2004	Fan et al.			<u> </u>	
	AC	2003/0205776	Nov. 2003	Yaegashi et al.				
	AD	6,468,865	Oct. 2002	Yang et al.				
	AE	6,218,689	Apr. 2001	Chang et al.				
	AF	6,214,669	Apr. 2001	Hisamune				
	AG	6,162,682	Dec. 2000	Kleine				
	AH	6,232,185	May-01	Wang				
	AII	5,912,843	Jun. 1999	Jeng				
	AJ	6,436,764	Aug. 2002	Hsieh				
	AK	6,344,993	5 Feb. 2002	Harari et al.				
	AL		Sept. 1997	Jeng	<u> </u>			
		5,668,757	Mar. 2002	Tuan et al.				
	AM	6,355,524		ithor, Title, Date, Pe	rtinant Da	yeas Et	2)	
	<u> </u>	OTHER A	TRI (Including At	illor, Tille, Date, Fe	Tunent Fa	iges, Eu	<del></del>	
		****			·····			
				***		**		
F	<u></u>		Data Com 11	1		•		
Examiner *EVAMPIED.	Initial :	f raforance consider	Date Considered	t citation is in confor	rmance w	ith MDI	FP 600: Dray	v line through
citation if not in	n confort	nance and not consi	dered. Include co	ppy of this form with	your con	nmunic	ation to appli	icant.

U.S. Departr	nent of C	ommerce. Patent an	d Trademark Off	ice	Atty Docket	No.	Serial No.	
U.S. Department of Commerce, Patent and Trademark Office					M-15241 US	Unassigned		
INFO	NA TIO	DISCLOSURE S						
		(Isp se teral sheet	Applicant(s)					
		O ST	is it necessary)		Yi Ding			
		2 7306	<u></u>		Filing Date		Group	
	-+	OCT 12 2004			Filed Herewi	in	Unassigned	
*Examiner	<del></del>	Che mich	U.S.	Patent Documents	1	Υ	Filing Date	
Initial		Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,402,371	28 Mar. 1995	Ono				
	AB	5,856,943	5 Jan. 1999	Jenq				
	AC	6,057,575	2 May 2000	Jenq				
	AD	6,130,129	10 Oct. 2000	Chen				
	AE	6,134,144	17 Oct. 2000	Lin et al.				
	AF	6,171,909	9 Jan. 2001	Ding et al.				
	AG	6,200,856	13 Mar. 2001	Chen				
	AH	6,261,903	17 Jul. 2001	Chang et al.				
	AI	6,326,661	4 Dec. 2001	Dormans et al.			1	
	AJ	6,355,524	12 Mar. 2002	Tuan et al.				
	AK	6,365,457	2 Apr. 2002	Choi				
		OTHER A	ART (Including A	uthor, Title, Date, Per	tinent Pages, Et	c.)		
	AL	Shirota, Riichiro February 2000, N	'A Review of 256 onvolatile Memor	5Mbit NAND Flash Morks ry Workshop in Monte	emories and NA erey, California,	ND Flash Fut pages 22-31.	ure Trend,"	
	AM	Naruke, K.; Yama Sidewall Select-G	mada, S.; Obi, E.; Taguchi, S.; and Wada, M. "A New Flash-Erase EEPROM Cell with A Gate On Its Source Side," 1989 IEEE, pages 604-606.					
	AN	Wu, A.T.; Chan T Structure With So	.Y.; Ko, P.K.; and urce-Side Injection	d Hu, C. "A Novel Hig on," 1986 IEEE, 584-5	gh-Speed, 5-Vol 87.	t Programming	EPROM	
	AO	Density and High Performance Device," 1985 IEEE, 635-638.  Ma, Y.; Pang, C.S.; Pathak, J.; Tsao, S.C.; Chang, C.F.; Yamauchi, Y.; Yoshimi, M. "A Novel High Density Contactless Flash Memory Array Using Split-Gate Source-Side-Injection Cell for 5V-Only Applications," 1994 Symposium on VLSI Technology Digest of Technical Papers, pages 49-50.						
	AP							
	AQ							
	AR	Ma, Yale et al., "A Dual-Bit Split-Gate EEPROM (DSG) Cell in Contactless Array for Single Vcc High Density Flash Memories," 1994 IEEE, 3.5.1-3.5.4.						
Examiner	· · · · · · · · · · · · · · · · · · ·		Date Considered					
EXAMINER: itation if not in	Initial if	reference considere ance and not consider	d, whether or not	citation is in conformation of this form with yo	ance with MPE	P 609; Draw lii ion to applican	ne through	

U.C.D.			1T 1 100				Sheet 2		
U.S. Department of commerce, Patent and Trademark Office					Atty Docket	Serial No. Unassigned			
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT					M-15241 US			
INFOR	ATIO		Applicant(s)						
		(Use several sheet	Yi Ding						
					Filing Date		Group		
					Filed Herewi	th	Unassigned		
			U.S.	Patent Documents					
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
·	AS	6,437,360	20 Aug. 2002	Cho et al.					
	AT	6,438,036	20 Aug. 2002	Seki et al.					
	AU	6,486,023	26 Nov. 2002	Nagata					
	AV	6,541,324	1 Apr. 2003	Wang					
	AW	2002/0064071 A1	30 May 2002	Takahashi et al.					
	AX	2002/0197888 A1	26 Dec. 2002	Huang et al.					
	AY	6,266,278	24 Jul. 2001	Harari et al.					
	AZ	5,901,084	4 May 1999	Ohnakado					
	BA	6,518,618	11 Feb. 2003	Fazio et al.					
	BB	6,541,829	1 Apr. 2003	Nishinohara et al.					
	BC	6,414,872	2 Jul. 2002	Bergemont et al.					
		OTHER A	RT (Including A	uthor, Title, Date, Pert	inent Pages, Et	tc.)			
	BD	Spinelli, Alessand MOS,"2000 Intern 2000, Seattle, WA	ational Conferen	ation of Surface emiconductor P	e-and Buried-C rocesses and D	Channel p- Devices: SISPAD			
	BE	Kim, K.S. et al. "A and 1 Gbit Flash M	hnolgy Scalabe	to the 256 Mbit					
	BF	Bergemont, A. et al. "NOR Virtual Ground (NVG)- A New Scaling Concept for Very Hig EEPROM and its Implementation in a 0.5 um Process," 1993 IEEE 2.2.1-2.2.4							
	BG	Van Duuren, Michiel et al., "Compact poly-CMP Embedded Flash Memory Cells For One or Two Storage," Philips Research Leuven, Kapeldreef 75, B3001 Leuven, Belgium, pages 73-74.							
	ВН								
	BI								
	ВЈ								
xaminer			Date Considered						
EXAMINER: tation if not in	Initial if	reference considered ance and not consider	d, whether or not ered. Include cop	citation is in conformation of this form with yo	nce with MPE ur communicat	P 609; Draw lin	ne through it.		

Sheet 1 of 1

			<u> </u>	Sheet 1 c				
U.S. Departme	ent Co	mmerce, Patent and Trademark Office	Atty Docket No.	Serial No.				
	0		M-15241 US	10/632,186				
INF	MATION	N DISCLOSURE STATEMENT BY APPLICANT	Applicant(s)					
		(Use several sheets if necessary)	Yi Ding					
OF	7		Filing Date	Group				
70	E 1		July 30, 2003	Unassigned				
OCT 12 20	OK B	OTHER ART (Including Author, Title, Date, Pe	rtinent Pages, Etc.)					
PIENTS TRADE	1 41	United States Patent Application No. 10/440,466, entitle Nonvolatile Memories From Layers With Protruding Po No.: M-12979 US.						
	AB	To Insulate The Gate From Another Element Of An Integrated Circuit," Filed on May 16, 2003; Attorney Docket No.: M-15203 US.						
	AC							
	AD	United States Patent Application No. 10/440,500, entitled "Integrated Circuits With Openings that Allow Electrical Contact To Conductive Features Having Self-Aligned Edges," Filed on May 16, 2003; Attorney Docket No.: M-15205 US.						
	AE	United States Patent Application No. 10/393,212, entitled "Nonvolatile Memories And Methods Of Fabrication," Filed on March 19, 2003; Attorney Docket No.: M-12902 US.						
	AF	United States Patent Application No. 10/411,813, entitled "Nonvolatile Memories With A Floating Gate Having An Upward Protrusion," Filed on April 10, 2003; Attorney Docket No.: M-12903 US.						
	AG	United States Patent Application No. 10/393,202, entitled "Fabrication of Integrated Circuit Elements In Structures With Protruding Features," Filed on March 19, 2003; Attorney Docket No.: M-15151 US.						
	АН	United States Patent Application No. 10/631,941, entitled "Nonvolatile Memory Cell With Multiple Floating Gates Formed After The Select Gate," Filed on July 30, 2003; Attorney Docket No.: M-15171 US.						
	AI	United States Patent Application No. 10/632,155, entitled "Nonvolatile Memory Cells With Buried Channel Transistors," Filed on July 30, 2003; Attorney Docket No.: M-15222 US.						
	AJ	United States Patent Application No. 10/632,007, entitled "Arrays Of Nonvolatile Memory Cells Wherin Each Cell Has Two Conductive Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15223 US.						
	AK	United States Patent Application No. 10/631,452, entitled "Fabrication Of Dielectric For A Nonvolatile Memory Cell Having Multiple Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15229 US.						
	AL	United States Patent Application No. 10/632,154, entitled "Fabrication Of Gate Dielectric In Nonvolatile Memories In Which A Memory Cell Has Multiple Floating Gates," Filed on July 30, 2003; Attorney Docket No.: M-15230 US.						
	AM	United States Patent Application No. 10/631,552, entitled "Nonvolatile Memories And Methods Of Fabrication," Filed on July 30, 2003; Attorney Docket No.: M-12902-1P US.						
	AN							
Examiner		Date Considered						

U.S. Department of Commerce, Patent and Trademark Office				Att	Atty Docket No.			Serial No.			
				M-15241 US 10/632,186							
INFOR MANION DISCLOSURE STATEMENT BY APPLICANT				Applicant							
	(Use several sheets if necessary)					Yi Ding					
					Fili	ng Date		Gr	oup		
					Jul	y 30, 2003		Un	nassigned		
			U.S. Pa	itent Documents							
*Examiner Initial		Document Number	Date	Name		Class	Subcl	ass	Filing I		
	AA	6,420,231	16 Jul. 2002	Harari et al.		0.2.2		100		7	
	AB	2003/0218908 A1	27 Nov. 2003	Park et al.							
	AC	2004/0004863 A1	8 Jan. 2004	Wang							
	AD										
	AE										
	AF										
	AG										
	_AH			A COMPANIE OF STREET							
			Foreign P	atent Documents							
					<del></del>				Trans	slation	
		Document	Date	Country		Class	Subcla	ISS	Yes	No	
	AI	EP 0 938 098 A2	25 Aug. 1999	Europe							
	AJ										
	AK										
	AL										
		OTHER AF	RT (Including Aut	thor, Title, Date, Pe	rtinen	t Pages, Et	c.)				
	AM		inductive Gates in	10/798,475, entitle Nonvolatile Memor No. M-15296 US.						Filed	
-	AN	United States Patent Application No. 10/797,972, entitled "Fabrication of Conductive Lines Interconnecting First Conductive Gates in Nonvolatile Memories Having Second Conductive Gates Provided By Conductive Gates Lines, Wherein The Adjacent Conductive Gate Lines For The Adjacent Columns Are Spaced From Each Other, And Non-Volatile Memory Structures," Filed on March 10, 2004; Attorney Docket No. M-15297 US.							ent 2004;		
	AO				-	-				) <del>-</del>	
	AP			-							
Examiner			Date Considered				•				
*EXAMINER: citation if not i	Initial if n conforn	f reference considered mance and not consider	d, whether or not cered. Include cop	citation is in conform y of this form with	mance your	with MPI communica	EP 609; Dation to ap	raw lir plican	ne through		